FIG.1

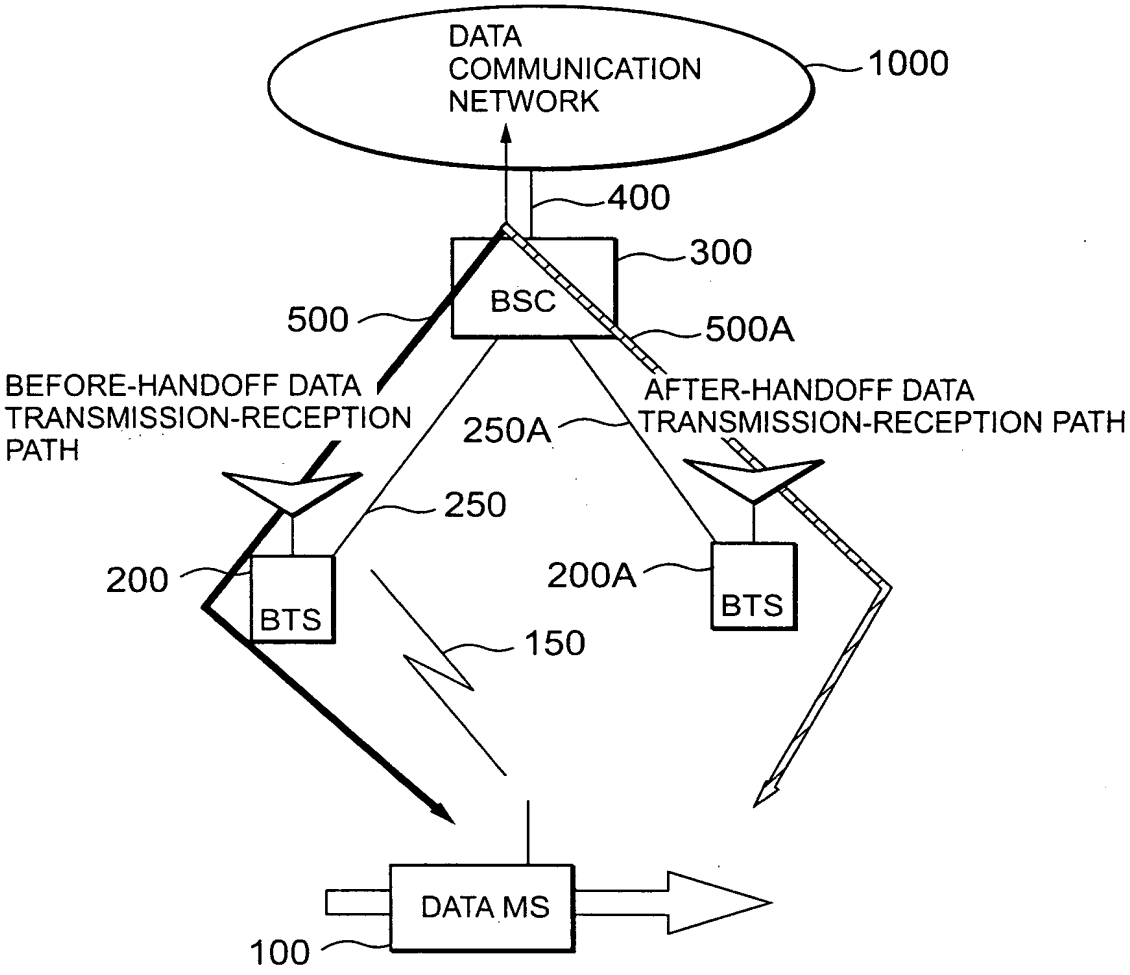
DATA
COMMUNICATION
NETWORK
1000
400
300
BSC
500
500A
BEFORE-HANDOFF DATA
TRANSMISSION-RECEPTION
PATH
AFTER-HANDOFF DATA
TRANSMISSION-RECEPTION PATH
250A
250
200
BTS
200A
BTS
150
DATA MS
100

FIG.2

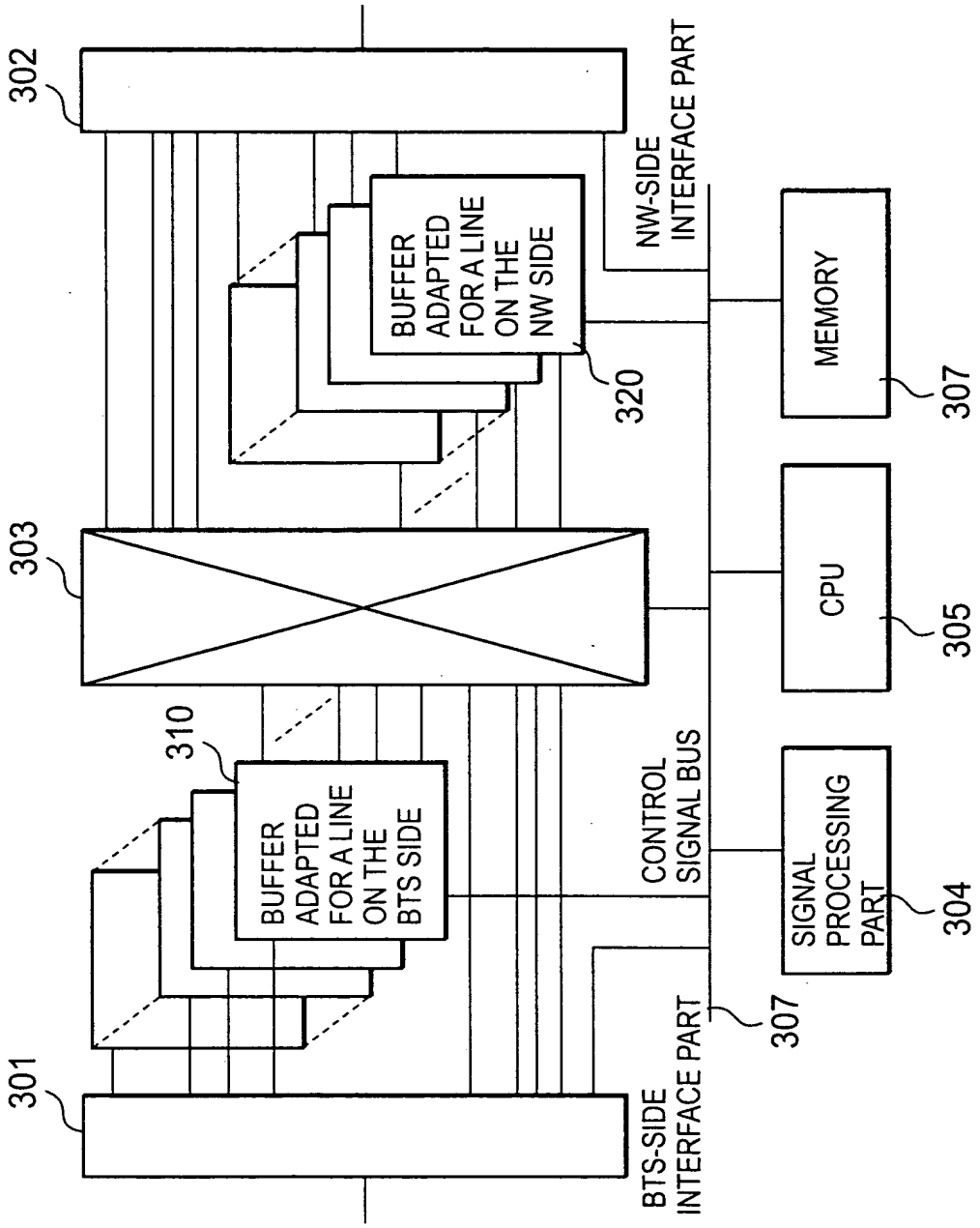
302
303
310
301
BUFFER ADAPTED FOR A LINE ON THE NW SIDE
320
BUFFER ADAPTED FOR A LINE ON THE BTS SIDE
NW-SIDE INTERFACE PART
CONTROL SIGNAL BUS
BTS-SIDE INTERFACE PART
307
MEMORY
307
CPU
305
SIGNAL PROCESSING PART
304

FIG.3

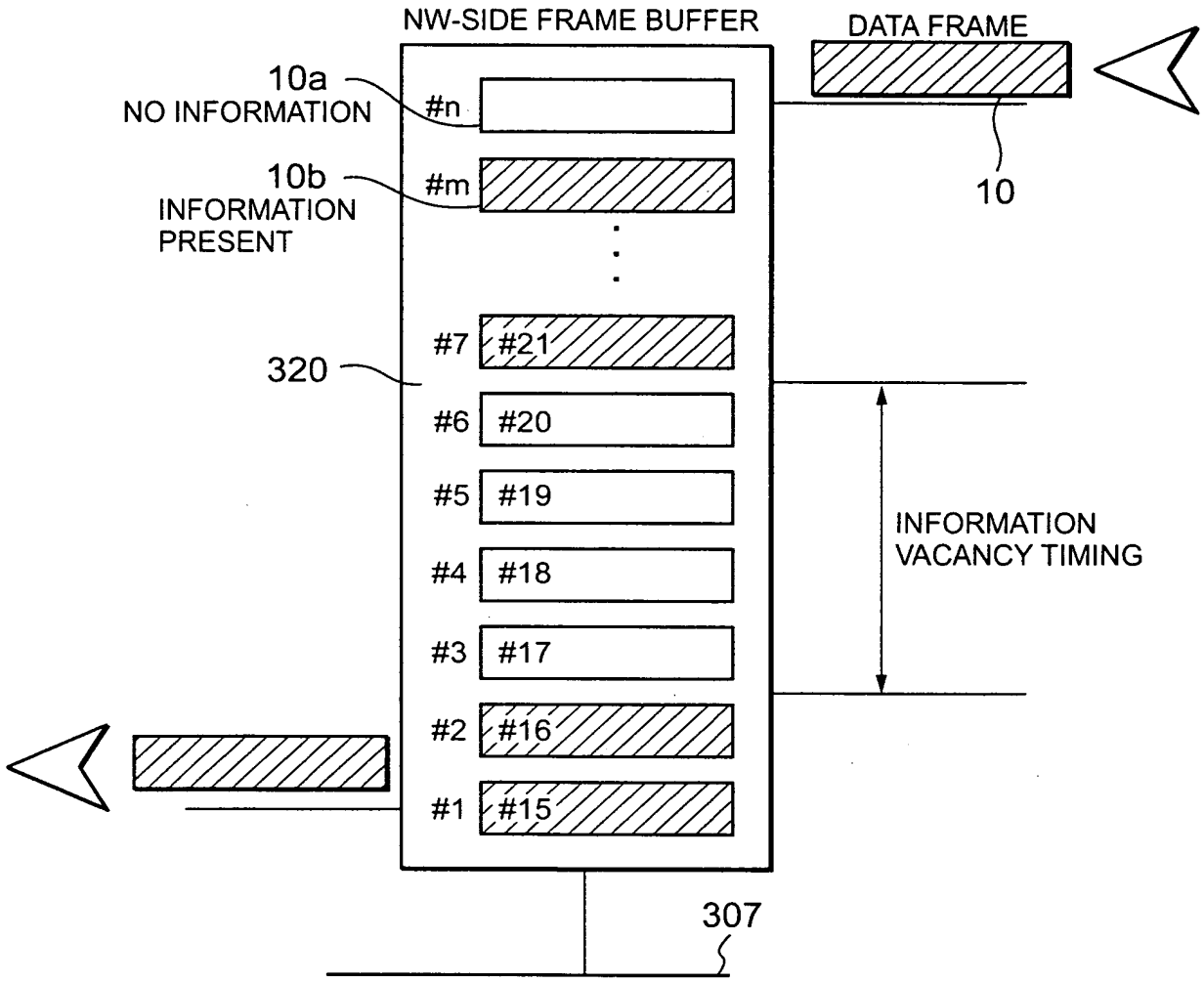
NW-SIDE FRAME BUFFER
DATA FRAME
10a
NO INFORMATION
#n
10b
INFORMATION
PRESENT
#m
10
320
#7
#21
#6
#20
#5
#19
#4
#18
#3
#17
#2
#16
#1
#15
INFORMATION
VACANCY TIMING
307

FIG.4

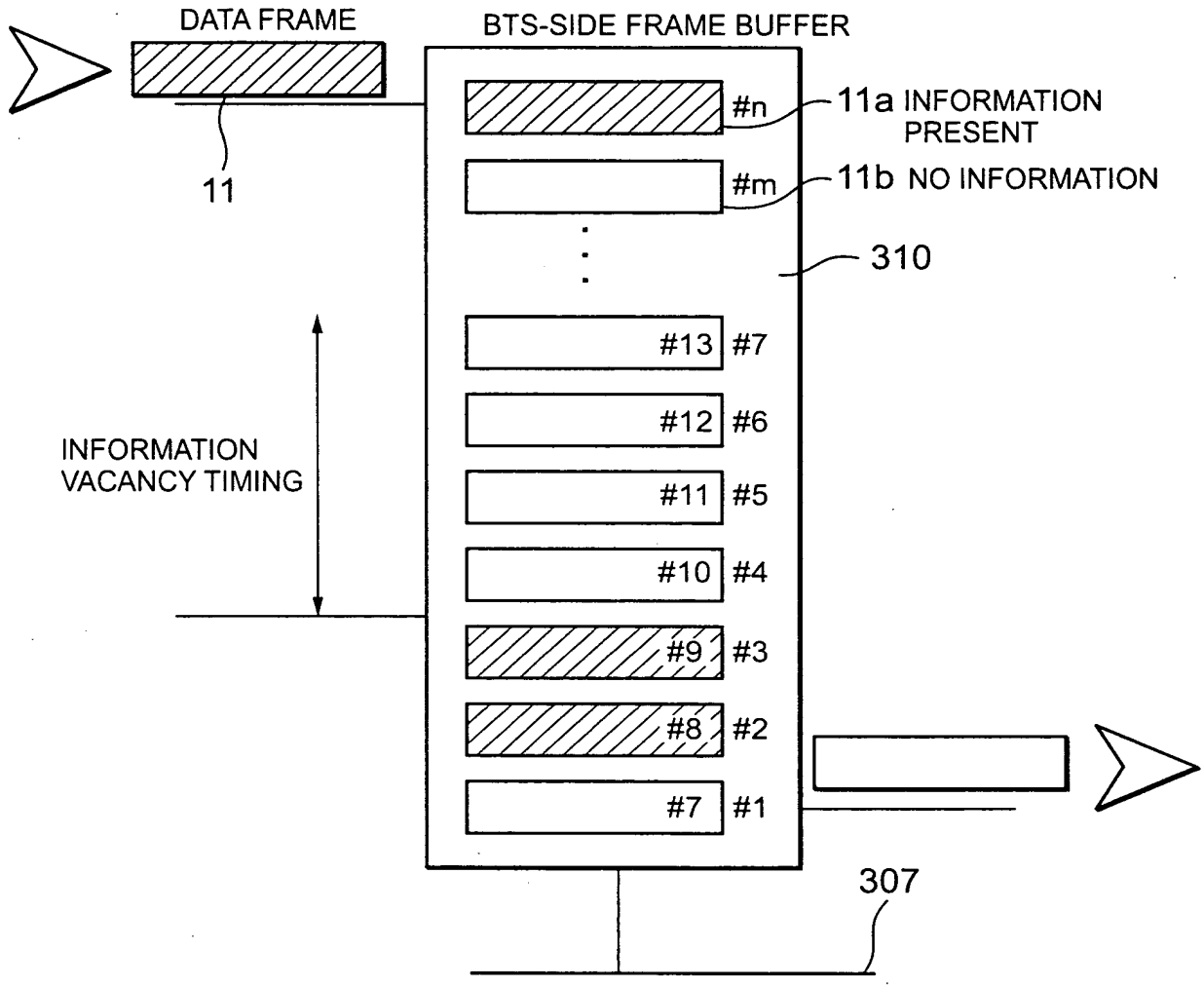
DATA FRAME
BTS-SIDE FRAME BUFFER
11
#n
11a INFORMATION PRESENT
#m
11b NO INFORMATION
310
#13
#7
#12
#6
#11
#5
#10
#4
#9
#3
#8
#2
#7
#1
INFORMATION VACANCY TIMING
307

FIG.5

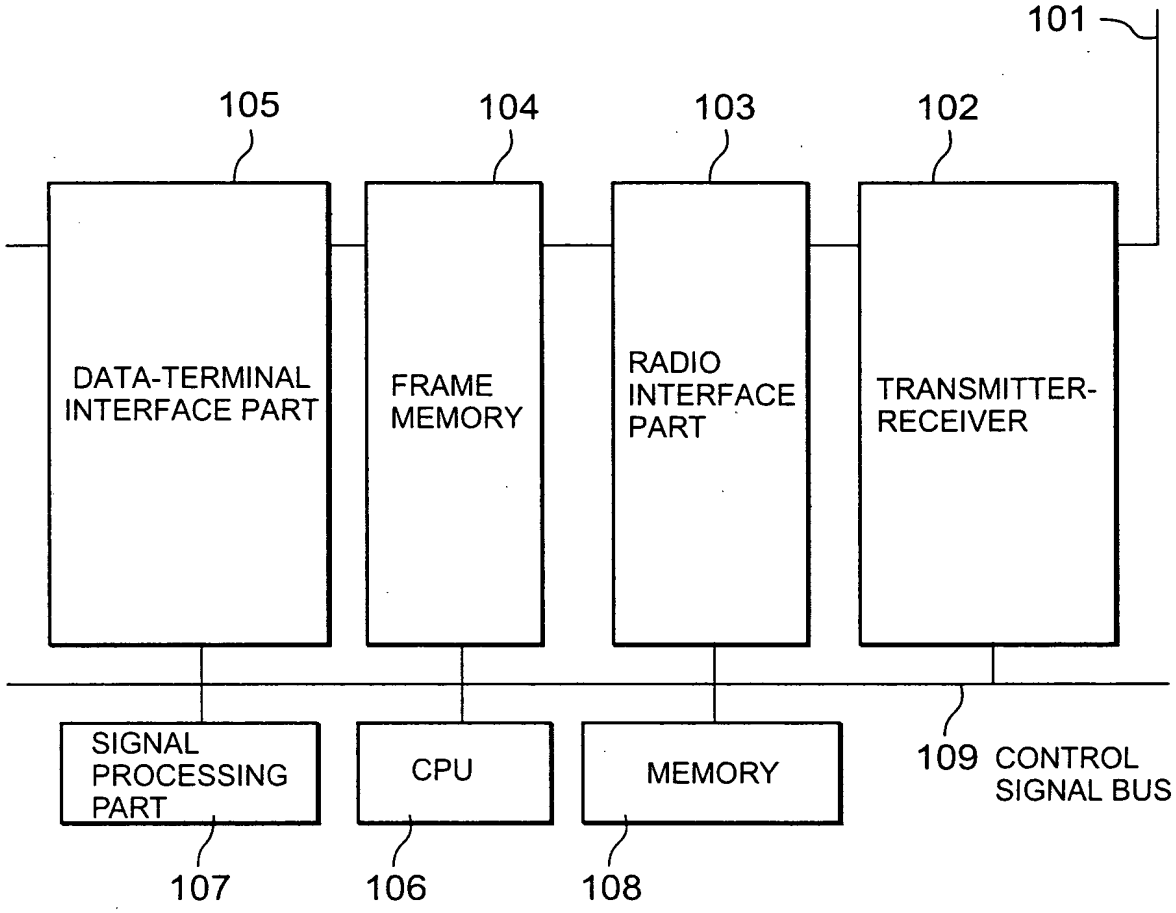
101
105
104
103
102
DATA-TERMINAL INTERFACE PART
FRAME MEMORY
RADIO INTERFACE PART
TRANSMITTER-RECEIVER
SIGNAL PROCESSING PART
CPU
MEMORY
109 CONTROL SIGNAL BUS
107
106
108

FIG.6

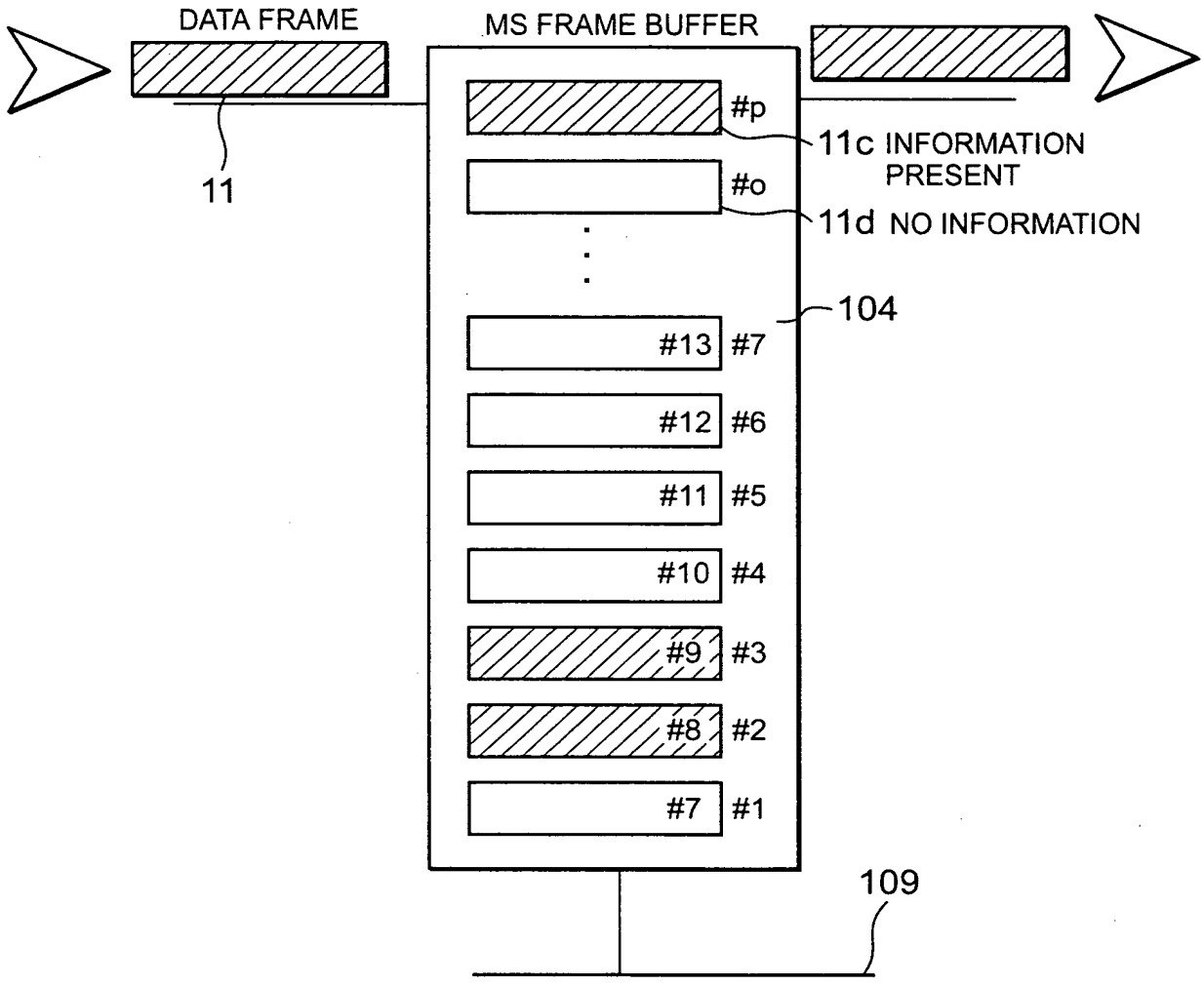
DATA FRAME
MS FRAME BUFFER
11
#p
#o
11c INFORMATION PRESENT
11d NO INFORMATION
104
#13 #7
#12 #6
#11 #5
#10 #4
#9 #3
#8 #2
#7 #1
109

FIG.7

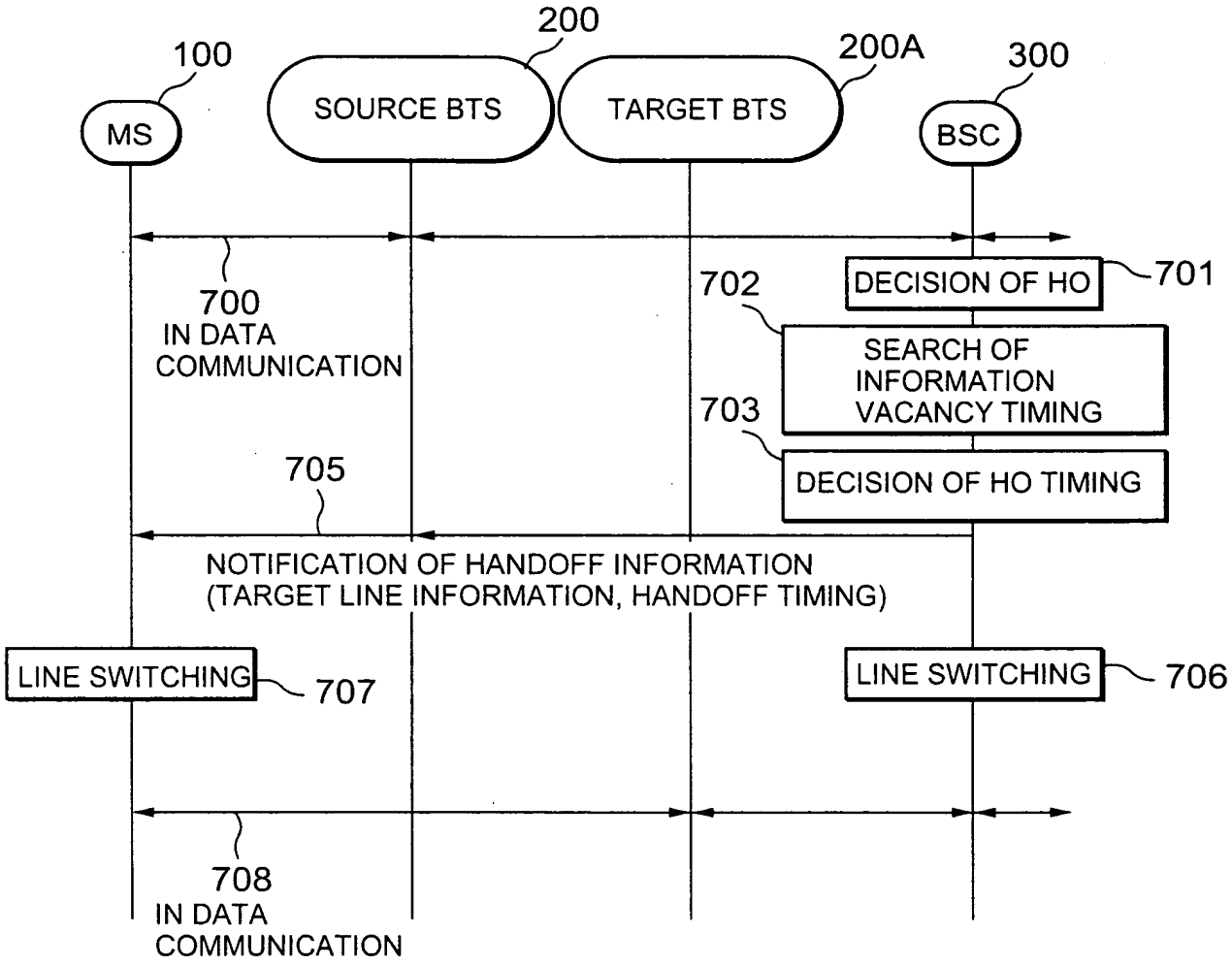
100
MS
200
SOURCE BTS
200A
TARGET BTS
300
BSC
700
IN DATA
COMMUNICATION
702
DECISION OF HO
701
SEARCH OF
INFORMATION
VACANCY TIMING
703
DECISION OF HO TIMING
705
NOTIFICATION OF HANDOFF INFORMATION
(TARGET LINE INFORMATION, HANDOFF TIMING)
LINE SWITCHING
707
LINE SWITCHING
706
708
IN DATA
COMMUNICATION

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FIG.8

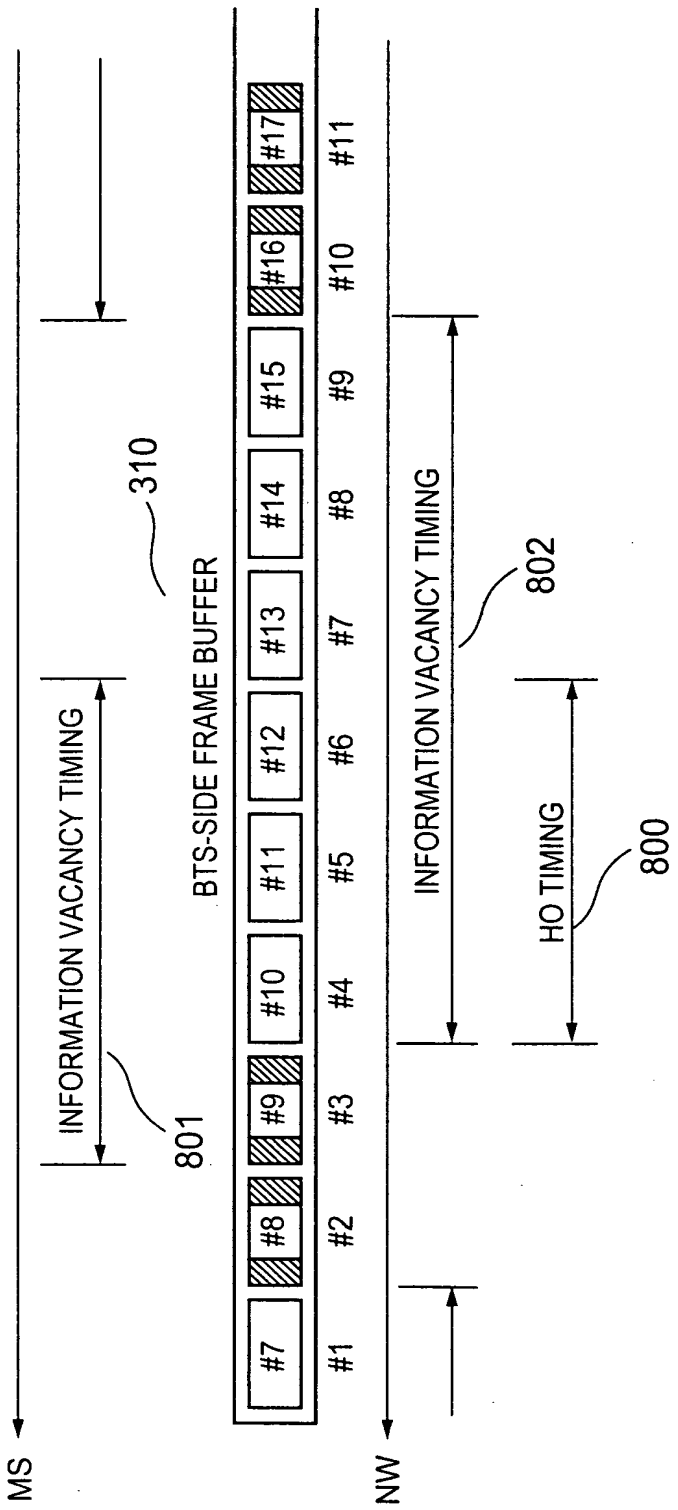
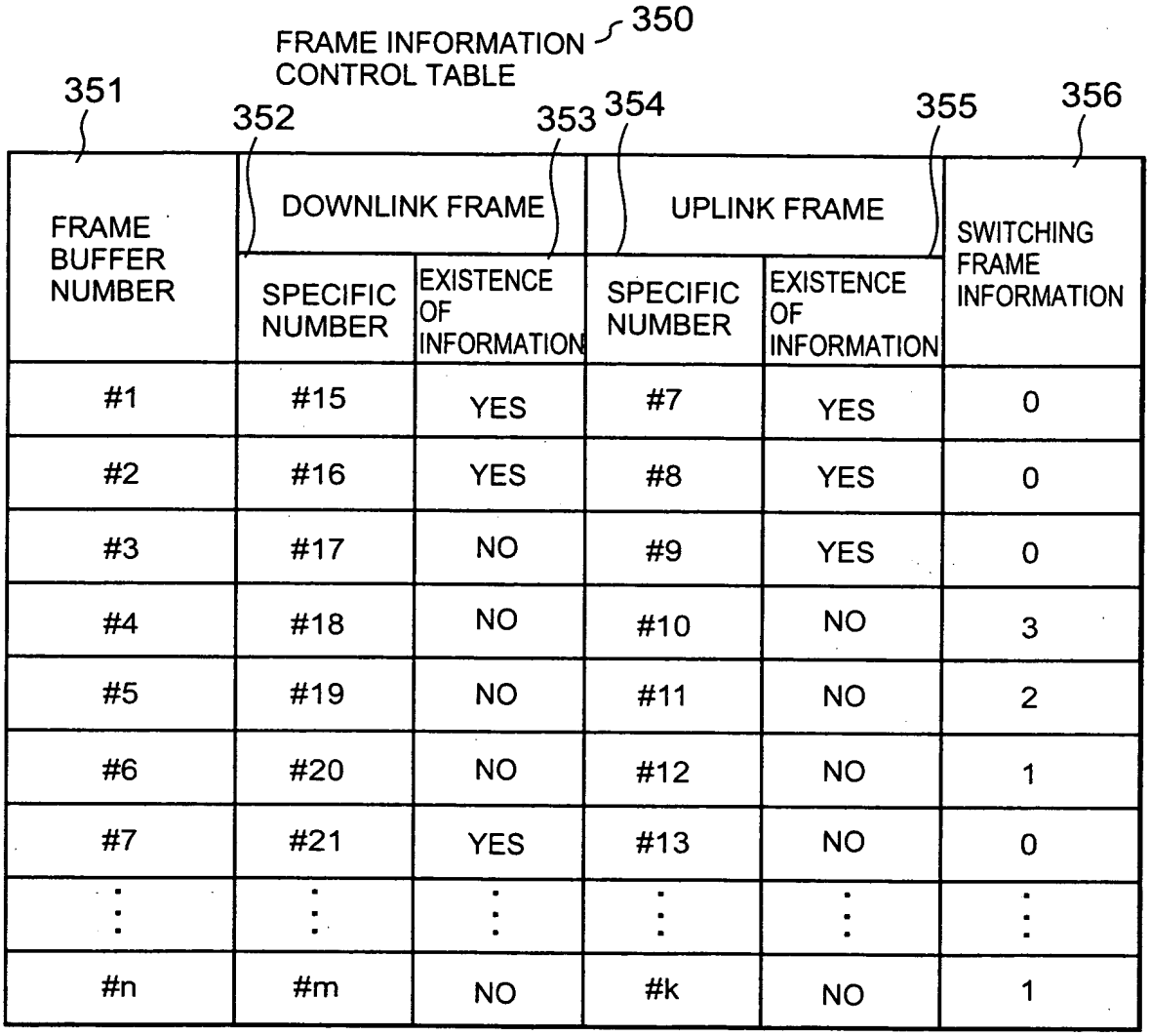


FIG.9



FRAME BUFFER NUMBER	DOWNLINK FRAME		UPLINK FRAME		SWITCHING FRAME INFORMATION
	SPECIFIC NUMBER	EXISTENCE OF INFORMATION	SPECIFIC NUMBER	EXISTENCE OF INFORMATION	
#1	#15	YES	#7	YES	0
#2	#16	YES	#8	YES	0
#3	#17	NO	#9	YES	0
#4	#18	NO	#10	NO	3
#5	#19	NO	#11	NO	2
#6	#20	NO	#12	NO	1
#7	#21	YES	#13	NO	0
⋮	⋮	⋮	⋮	⋮	⋮
#n	#m	NO	#k	NO	1